

CLMPTO

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Claims 1-13 are cancel.

14. (Currently amended) A liquid crystal display apparatus comprising:

a pair of substrates having electrodes and vertical alignment layers;

a liquid crystal having a negative anisotropy of dielectric constant and inserted between said pair of substrates;

alignment control structures arranged in each of said pair of substrates for controlling alignment of the liquid crystal;

each of said alignment control structures comprising a plurality of constituent units; and

~~the constituent units of the alignment control structures of one substrate and the constituent units of the alignment control structures of the other substrate being arranged alternately on one line, as viewed in the direction normal to one substrate, one substrate being arranged on a first line, the constituent units of the other substrate being arranged on a second line, said first line overlapping said second line, the constituent units of one substrate arranged on said first line and the constituent units of the other substrate on said second line being arranged alternately as viewed in a normal direction to the substrates.~~

15. (Original) A liquid crystal display apparatus as described in claim 14, characterized in that the alignment control structures comprise linearly arranged structures, and the constituent units of the linearly arranged structures of one substrate and the constituent units of the linear wall structures of the other substrate are arranged alternately with one pixel.

16. (Original) A liquid crystal display apparatus as described in claim 14, characterized in that the alignment control structures comprise linearly arranged structures, and each linearly arranged structure has a plurality of constituent units in one pixel, and the linearly arranged structures are arranged substantially symmetrically in one pixel.

17. (Currently amended) A liquid crystal display apparatus as described in claim 14, characterized in that said means for forming boundary of alignment comprise ~~partial transverse enlargement of the alignment control structures~~ partial transverse enlargement of the width of the alignment control structures.

Claims 18-27 are cancel.

28. (Original) A liquid crystal display apparatus comprising:

a pair of substrates having electrodes and vertical alignment layers;

a liquid crystal having a negative anisotropy of dielectric constant and inserted between said pair of substrates;

alignment control structures arranged in each of said pair of substrates for controlling alignment of the liquid crystal; and

auxiliary structures formed on at least one of said pair of substrates between the alignment control structures of said pair of substrates as viewed in the direction normal to said pair of substrates.

29. (Original) A liquid crystal display apparatus as described in claim 28, characterized in said alignment control structures comprise linearly arranged structures, and that said auxiliary structures are arranged at predetermined pitches along the linearly arranged structures.

30. (Original) A liquid crystal display apparatus as described in claim 28, characterized in that said auxiliary structures have a shape long in the direction perpendicular to the linearly arranged structures.

31. (Original) A liquid crystal display apparatus comprising;
a pair of substrates having electrodes and vertical alignment layers;
a liquid crystal having a negative anisotropy of dielectric constant and inserted between said pair of substrates;
alignment control structures arranged in each of said pair of substrates for controlling alignment of the liquid crystal; and
liquid crystal inclined alignment control means arranged between the alignment control structures of said pair of substrates in which a parameter changes in one direction from one of the alignment control structures.

32. (Original) A liquid crystal display apparatus as described in claim 31,

characterized in that said parameter includes at least one of a height of the linearly arranged structures, a period of the linearly arranged structures, a dielectric constant of the linearly arranged structures and an accumulated value of a time constant due to a resistor and a capacitor of a pixel electrode.